

Datasheet for ABIN7652358
anti-CDC34 antibody (CF®405S)



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	CDC34
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CDC34 antibody is conjugated to CF®405S
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Cell Division Cycle 34 homolog(CPTC-CDC34-2), CF405S conjugate
Immunogen:	Recombinant human full-length CDC34 protein
Clone:	CPTC-CDC34-2
Isotype:	IgG1, kappa
Characteristics:	Cell cycle events are regulated by the sequential activation and deactivation of cyclin dependent kinases (Cdks) and by the proteolysis of cyclins. The cell division cycle (Cdc) genes are required at various points in the cell cycle. Cdc25A, Cdc25B and Cdc25C protein tyrosine phosphatases function as mitotic activators by dephosphorylating Cdc2 p34 on regulatory tyrosine residues. Cdc6 is the human homolog of Saccharomyces cerevisiae Cdc6, which is involved in the initiation of DNA replication. Cdc37 appears to facilitate Cdk4/cyclin D1 complex formation and has been shown to form a stable complex with HSP 90. Cdc34, Cdc27 and Cdc16 function as

Product Details

ubiquitinconjugating enzymes. Cdc34 is thought to be the structural and functional homolog of *Saccharomyces cerevisiae* Cdc34, which is essential for the G1 to S phase transition. Cdc16 and Cdc27 are components of the APC (anaphase promoting complex) which ubiquitinates cyclin B, resulting in cyclin B/Cdk complex degradation. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	CDC34
Alternative Name:	Cell Division Cycle 34 homolog
Background:	Synonyms: Cdc34, cell division cycle 34, UBC3, UBCH3, UBE2R1, Ubiquitin carrier protein, Ubiquitin conjugating enzyme E2 32 kDa complementing, Ubiquitin protein ligase R1, Ubiquitin conjugating enzyme E2-CDC34 Gene Symbol: CDC34
Molecular Weight:	34 kDa
Gene ID:	997
UniProt:	P49427

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Positive Control: 293, K562, Jurkat cell lysates. Human small intestine.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % BSA, 0.05 % azide
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
--------------------	--

Handling Advice:	Protect from light
------------------	--------------------

Storage:	4 °C
----------	------

Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
------------------	--

Expiry Date:	24 months
--------------	-----------